

1           1. A simplified "T" interchange design for an  
2 intersection of a four lane expressway with a two lane  
3 highway, said interchange design comprising:

4           a first road surface with traffic moving in a left  
5 to right direction, said first road surface having at  
6 least two lanes for traffic moving in said left to right  
7 direction,

8           a second road surface for traffic moving in a right  
9 to left direction, said second road surface having at  
10 least two lanes for traffic moving in said right to left  
11 direction ,

12          an open space between said first road surface and  
13 said second road surface, said open space substantially  
14 forming a median;

15          a third road surface for traffic intending to  
16 intersect said first road surface and said second road  
17 surface; said third road surface having at least one lane  
18 for traffic moving toward said first road surface and  
19 said second road surface; said third road surface having  
20 at least one lane for traffic moving away from said first  
21 road surface and said second road surface;

22          a bridge located on said first road surface  
23 substantially where said third road surface intersects  
24 said first road surface, said bridge configured so that  
25 vehicles traveling on said first road surface pass above

1 said third road surface, said bridge configured so that  
2 vehicles traveling on said third road surface pass under  
3 said first road surface; thus vehicles can make  
4 transitions between said second road surface and said  
5 third road surface without having to cut across said  
6 first road surface.

7 2. An exit ramp from said first road surface onto  
8 said third road surface.

9 3. An exit ramp from said third road surface onto  
10 said first road surface.

11 4. An exit ramp from said second road surface onto  
12 said median.

13 5. An on ramp from said median onto said second road  
14 surface.

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16 6. A simplified "T" interchange design for an  
17 intersection of a four lane expressway with a two lane  
18 highway, said interchange design comprising:

19 a first road surface with traffic moving in a left  
20 to right direction, said first road surface having at  
21 least two lanes for traffic moving in the left to right  
22 direction,

23 a second road surface for traffic moving in a right  
24 to left direction, said second road surface having at

1 least two lanes for traffic moving in the right to left  
2 direction ,

3 an open space between said first road surface and  
4 said second road surface, said open space substantially  
5 forming a median;

6 a third road surface for traffic intending to  
7 intersect said first road surface and said second road  
8 surface; said third road surface having at least one lane  
9 for traffic moving toward said first road surface and  
10 said second road surface; said third road surface having  
11 at least one lane for traffic moving away from said first  
12 road surface and said second road surface;

13 a bridge located on said third road surface  
14 substantially where said third road surface intersects  
15 said first road surface, said bridge configured so that  
16 vehicles traveling on said first road surface pass under  
17 said third road surface, said bridge configured so that  
18 vehicles traveling on said third road surface pass over  
19 said first road surface; thus vehicles can make  
20 transitions between said second road surface and said  
21 third road surface without having to cut across said  
22 second road surface.

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24 7. An exit ramp from said first road surface onto said

1 third road surface.

2 8. An exit ramp from said third road surface onto  
3 said first road surface.

4 9. An exit ramp from said second road surface onto  
5 said median.

6 10. An on ramp from said median onto said second  
7 road surface.

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